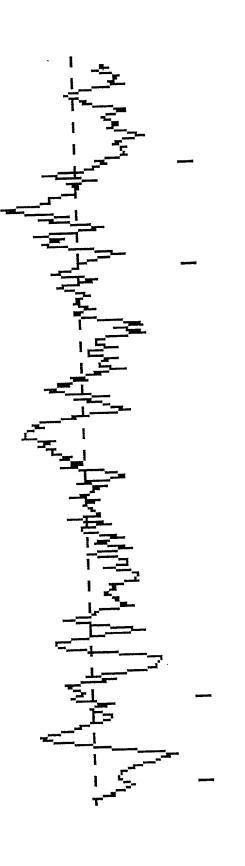
GTG	3GG'1'(JGCC.	rccg	ACCT	الالالالال	GCIG	GGCG	,	CGCC	.6666	CCGG	KREDO	טטטט	CGGG	CGCG	GGGA			.0000	SEQ I	D NO:1
03.00	7002	3000	73.0	M	A	S	A	G CC2	G	E	D	C	E	S			P	E GAG	A CCC		SEQ ID NO:
GAGC	JGGA(المالحاد					GCG	GGA	GGC	GAA	GAC	160	GAG	AGC		GCG	CCG	GAG	GCC	40	
D	R	P	Н	Q	R	P	F	L	I	G	V	S	G	G	T	A	S	G	K	36	
GAC	CGT	CCG	CAC	CAG	CGG	CCC	TTC	CTG	ATA	. GGG	GTG	AGC	GGC	GGC	ACT	GCC	AGU	GGG	AAG	108	
s	Т	V	С	E	K	ľ	М	E	L	Ŀ	G	Q	N	E	V	E	Q	R	Q	56	
TCG	ACC	GTG	TGT	GAG	AAG	ATC	ATG	GAG	TTG	CTG	GGA	CAG	AAC	GAG	GTG	GAA	CAG	CGG	CAG	168	
R	K	v	v	I	L	s	Q	D	R	F	Y	K	V	L	T	A	E	Q	K	76	
CGG .	AAG	GTG	GTC	ATC	CTG	AGC	CAG	GAC	AGG	TTC	TAC	AAG	GTC	CTG	ACG	GCA	GAG	CÁG	AAG	228	/
А	к	A	L	ĸ	G	Q	Y	N	F	D	Н	P	D	A	F	D	N	·,D	L	96	
GCC	AAG	GCC	TTG	AAA	GGA	CAG	TAC	AAT	TTT	GAC	CAT	CCA	GAT	GCC	TTT	GAT	AAT	GAT	TTG	288	
м	н	R	т	L	к	N	I	v	E	G	к	т	v	E	V	P	Т	Y	D	116	
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GGG	AGG	GAC	CIG	GAG	CAG		CIG	ned	CAG	IAC	ACC	nco		010		000	000				
E	F	С	L	P	T			Y	A	D	V	I	I	P	R	G	V.	D GAC	N TAT		
GAG	TTC	TGC	CTG	CCG	ACA	AAG	AAG	TAT	GCC	GAT	GIG	AIC	AIC	CCA	CGA	GGA	. GIG	GAC	nn i	040	•
M	V	A	I	N	L			Q	Н	I	Q	D	I	L	N	G	D	I	C	236	
ATG	GTT	GCC	ATC	AAC	CTG	ATC	GTG	CAG	CAC	: ATC	CAG	GAC	: ATT	CTG	AAT	GGT	GAC	ATC	160	700	
K	W	Н	R	G	G	s	N	G	R	s	Y	K	R	Т	F	s	E	P	G	256	
AAA	TGG	CAC	CGA	. GGA	GGG	TCC	: AAT	' GGG	CGG	: AGC	TAC	: AAG	CGG	: ACC	TTT	TCT	` GAG	; CCA	GGG	768	
D	Н	P	G	М	L	\mathbf{T}	s	G	K	R	s	Н	L	E	S	s	S	R	P	276	
GAC	CAC	CCT	GGG	ATG	CTG	ACC	TCT	GGC	: AA	A CGG	TCA	A CAT	TTC	GAG	TCC	: AGC	AGC	AGA	CCC	828	
н	*																			278	
CAC																				834	
			GCCT	CAGG	GCAG	GTCT	raca	3CCC	3GCA	rgtg	rGTTC	CAGG	SACTO	GAGCO	TGG	GACC	GCCC2	ACCC	ACACC		
~~~	ጥርርጥ	ጥርርጥ	כיתכנ	cccc	' አ <i>ርርር</i>	ነር ል ርረ	CCAC	<u>ያጥር</u> ጥር	የአርር:	ACCC:	$\lambda \cap \cap \cap \cap A$	الماليات	ግጥሮ አሰ	ግጥሮ እ የ	ここひひにり	የርርር እ ፣	ስ ከርተር	'ACA'	rt+1'(+'f'		
	GAGO  GAGO  GAC  SGAC  R CGG  R CGC  M ATG  FTTT  FTTC  GGGG  EGAG  M ATG  CAC  QID I GGG	GAGCGGAG  D R GAC CGT  S T TCG ACC  R K CGG AAG  A K GCC AAG  M H ATG CAC  F V TTT GTG  F E TTT GAG  F V TTC GTG  G R GGG AGG  E F GAG TTC  M V ATG GTT  K W AAA TGG  D H GAC CAC  H * CAC TGA QID NO:3↑ GGGGCTG	GAGCGGAGGCCC  D R P GAC CGT CCG  S T V TCG ACC GTG  R K V CGG AAG GTG  A K A GCC AAG GCC  M H R ATG CAC AGG  F V T TTT GTG ACA  F E G TTT GAG GGC  G R D GGG AGG GAC  G R D GGG AGG GAC  E F C GAG TTC TGC  M V A ATG GTT GCC  K W H AAA TGG CAC  C CCT  H * CAC TGA Q ID NO:3↑ GGGGCTGCCGA	GAGCGGAGGCCGAG  D R P H GAC CGT CCG CAC  S T V C TCG ACC GTG TGT  R K V V CGG AAG GTG GTC  A K A L GCC AAG GCC TTG  M H R T ATG CAC AGG ACT  F V T H TTT GTG ACA CAC  F E G I TTT GAG GGC ATC  GGG AGG GAC CTG  M V A I ATG GTT GCC CTG  M V A I ATG GTT GCC ATC  K W H R AAA TGG CAC CGA  D H P G GAC CAC CCT GGG  H * CAC TGA QID NO:3↑ GGGGCTGCCGAGCCT	GAGCGGAGGCCGAG ATG  ASEQ  D R P H Q  GAC CGT CCG CAC CAG  S T V C E  TCG ACC GTG TGT GAG  R K V V I  CGG AAG GTG GTC ATC  A K A L K  GCC AAG GCC TTG AAA  M H R T L  ATG CAC AGG ACT CTG  F V T H S  TTT GTG ACA CAC TCA  F E G I L  TTT GAG GGC ATC TTG  F V D T D  TTC GTG GAC ACC GAC  G R D L E  GGG AGG GAC CTG GAG  E F C L P  GAG TTC TGC CTG CCG  M V A I N  ATG GTT GCC ATC AAC  K W H R G  AAA TGG CAC CGA GGA  D H P G M  GAC CAC CCT GGG ATG  H *  CAC TGA  QID NO:3↑  GGGGCTGCCGAGCCTCAGG	GAGCGGAGGCCGAG ATG GCT  TSEQ ID NO  D R P H Q R  GAC CGT CCG CAC CAG CGG  S T V C E K  TCG ACC GTG TGT GAG AAG  R K V V I L  CGG AAG GTG GTC ATC CTG  A K A L K G  GCC AAG GCC TTG AAA GGA  M H R T L K  ATG CAC AGG ACT CTG AAG  F V T H S R  TTT GTG ACA CAC TCA AGG  F E G I L V  TTT GAG GGC ATC TTG GTG  GCG AGG GAC CTG GAG CAG  F V D T D S  TTC GTG GAC ACC GAC TCC  G R D L E Q  GGG AGG GAC CTG GAG CAG  E F C L P T  GAG TTC TGC CTG CCG ACA  M V A I N L  ATG GTT GCC ATC AAC CTG  K W H R G G  AAA TGG CAC CGA GGA GGG  D H P G M L  GAC CAC CCT GGG ATG CTG  H *  CAC TGA  QID NO:3↑  GGGGCTGCCGAGCCCTCAGGGCAG	GAGCGGAGGCCGAG ATG GCT TCG  TSEQID NO:3÷  D R P H Q R P  GAC CGT CCG CAC CAG CGG CCC  S T V C E K I  TCG ACC GTG TGT GAG AAG ATC  R K V V I L S  CGG AAG GTG GTC ATC CTG AGC  A K A L K G Q  GCC AAG GCC TTG AAA GGA CAG  M H R T L K N  ATG CAC AGG ACT CTG AAG AAC  F V T H S R L  TTT GTG ACA CAC TCA AGG TTA  F E G I L V F  TTT GAG GGC ATC TTG GTG TTC  F V D T D S D  TTC GTG GAC ACC GAC TCC GAC  G R D L E Q I  GGG AGG GAC CTG GAG CAG ATT  E F C L P T K  GAG TTC TGC CTG CCG ACA AAG  M V A I N L I  ATG GTT GCC ATC AAC CTG ATC  K W H R G G S  AAA TGG CAC CGA GGA GGG TCC  H *  CAC TGA  QID NO:3↑  GGGGGTGCCGAGCCTCAGGGCAGGTCC  GGGGGCTGCCGAGCCCTCAGGGCAGGTCC  GGGGGCTGCCGAGCCCTCAGGGCAGGTCC  GGGGGCTGCCGAGCCCTCAGGGCAGGTCC  GGGGGCTGCCGAGCCCTCAGGGCAGGTCC  GGGGCTGCCGAGCCCTCAGGGCAGGTCC  GGGGCTGCCGAGCCCTCAGGGCAGGTCCC  GGGGCTGCCGAGCCCTCAGGGCAGGTCCC  GGGGCTGCCGAGCCCTCAGGGCAGGTCCC  GGGGCTGCCGAGCCCTCAGGGCAGGTCCC  ACA CCTG ACC  ACA CCTG ACC  ACA CCTG ACC  ACC  ACC  ACC  ACC  ACC  ACC  ACC	GAGCGGAGGCCGAG ATG GCT TCG GCG  ASEQ ID NO:3->  D R P H Q R P F  GAC CGT CCG CAC CAG CGG CCC TTC  S T V C E K I M  TCG ACC GTG TGT GAG AAG ATC ATG  R K V V I L S Q  CGG AAG GTG GTC ATC CTG AGC CAG  GCC AAG GCC TTG AAA GGA CAG TAC  M H R T L K N I  ATG CAC AGG ACT CTG AAG AAC ATC  F V T H S R L P  TTT GTG ACA CAC TCA AGG TTA CCA  F E G I L V F Y  TTT GAG GGC ATC TTG GTG TCC TAC  GGAG AGG GAC CTG GAG CAG ATT  F V D T D S D V  TTC GTG GAC ACC GAC TCC GAC GTC  G R D L E Q I L  GGG AGG GAC CTG GAG CAG ATT CTG  M V A I N L I V  ATG GTT GCC ATC CTG AAG AAG AAG  M V A I N L I V  ATG GTT GCC ATC AAC CTG ATC GTG  K W H R G G S N  AAA TGG CAC CGA GGA GGG TCC AAT  D H P G M L T S  GAC TGC TGA  Q ID NO:3-↑  GGGGGCTGCCGAGGCCTCAGGGCAGGTCTCCCCC  GGGGCTGCCGAGGCCTCAGGGCAGGTCTCCCCC  GGGGGCTGCCGAGGCCTCAGGGCAGGTCTCCCCC  ACA CGGGGCTCCCCGAGGCCAGGTCTCCCCC  GGGGGCTGCCGAGGCCTCAGGGCAGGTCTCCCCC  GGGGGCTGCCGAGGCCTCAGGGCAGGTCTCCCCCC  ACA CGGGGCTCCCCGAGCCCTCAGGGCCAGGTCTCCCCCCCCC	M A S A G GAGCGGAGGCCGAG ATG GCT TCG GCG GGA ATSQ ID NO:3->  D R P H Q R P F L GAC CGT CCG CAC CAG CGG CCC TTC CTG  S T V C E K I M E TCG ACC GTG TGT GAG AAG ATC ATG GAG  R K V V I L S Q D CGG AAG GTG GTC ATC CTG AGC CAG GAC  A K A L K G Q Y N GCC AAG GCC TTG AAA GGA CAG TAC AAT  M H R T L K N I V ATG CAC AGG ACT CTG AAG AAC ATC GTG  F V T H S R L P E TTT GTG ACA CAC TCA AGG TTA CCA GAG  F E G I L V F Y S TTT GAG GGC ATC TTG GTG TTC TAC AGC  G R D L E Q I L T GGG AGG GAC CTG GAG CAG AAG  M V A I N L I V Q AAA TGG CTT GCC ATC CTG AAC AAG AAG TAT  M V A I N L I V Q AAA TGG CAC CGA GGA GGG  D H P G M L T S G GAC CTG GAG GAC CTG GAG GGG TCC AAT GGG  D H P G M L T S G GAC CTG GAG GGGCTGCCGGAGCCTCCCGCCCC  CCC CCC CCC GGGGCTGCCGAGCCTCAGGGCAGGTCTCCCGCCCC  CCC CCC CCC CCC CCC CCC CCC CCC	GAGCGGAGGCCGAG ATG GCT TCG GCG GGA GGC TSEQ ID NO:3+  D R P H Q R P F L I GAC CGT CCG CAC CAC CAG CGG CCC TTC CTG ATA CAC CGT CCG CAC CAC CAG CGG CCC TTC CTG ATA CAC CGT CCG CAC CAG CAG CAG CAG CAG CAG TAC ATG GAG TTG CAG CAG CAG CAG CAG CAG CAG CAG CAG CA	M A S A G G C E  ATG GCT TCG GCG GGA GGC GAA  ASEQ ID NO:3→  D R P H Q R P F L I G  GAC CGT CCG CAC CAG CGG CCC TTC CTG ATA GGG  S T V C E K I M E L L  TCG ACC GTG TGT GAG AAG ATC ATG GAG TTG CTG  R K V V I L S Q D R F  CGG AAG GCC TTG AAA GGA CAG CAG GAC AGG TTC  A K A L K G Q Y N F D  GCC AAG GCC TTG AAA GGA CAG TAC AAT TTT GAC  M H R T L K N I V E G  ATG CAC AGG ACT CTG AAG AAC ATC GTG GAG GGC  F V T H S R L P E T T  TTT GTG ACA CAC TCA AGG TTC TAC AGC CAG GAC  F E G I L V F Y S Q E  TTT GAG GGC ATC TTG GTG TTC TAC AGC CAG GAG  F V D T D S D V R L S  TTC GTG GAC ACC GAC GAC ACG TAC  GGA AGG GCC TTG GAG CAG ATC CTG AGC  G R D L E Q I L T Q Y  GGG AGG GAC CTG GAG CAG ATC CTG AGG CTG TCC  M V A I N L I V Q H I  ATG GTT GCC ATC AAC CTG ATC GTG CAG CAC  K W H R G G S N G R S  AAA TGG CAC CGA GGG GGG TCC AAT GGC CAG CAC  D H P G M L T S G K R  GAC CAC TGA  GGGCCTGCCGAGCCTCAGGGCAGGTCTCCCGCCCGGCATGTG	GAGCGGAGGCCGAG ATG GCT TCG GCG GGA GGC GAA GAC  ATSEQID NO.3->  D R P H Q R P F L I G V  GAC CGT CCG CAC CAG CGG CCC TTC CTG ATA GGG GTG  S T V C E K I M E L L G  TCG ACC GTG TGT GAG AAG ATC ATG GAG TTG CTG GGA  R K V V I L S Q D R F Y  GCG AAG GTG GTC ATC CTG AGC CAG GAC AGG TTC TAC  A K A L K G Q Y N F D H  GCC AAG GCC TTG AAA GGA CAG TAC AAT TTT GAC CAT  M H R T L K N I V E G K  ATG CAC AGG ACT CTG AAG AAC ATC GTG GAG GAC AGG  F V T H S R L P E T T V  TTT GTG ACA CAC TCA AGG TTC TAC AGG CAG GAC ACG GTG  F E G I L V F Y S Q E I  TTT GAG GGC ATC TTG GTG TTC TAC AGG CAG GAC  G R D L E Q I L T Q Y T  ATG GTG GAC CTG GAG CAG AAT CTG AGG CAG TAC ACC  G R D L E Q I L T Q Y T  ATG GTT GCC ATC AAC CTG AAG AAG TAT GCC GAG TAC  ATG GTT GCC ATC AAC CTG AAG AAG TTC GTG CAG GAC  K W H R G G S N G R S Y  AAAA TGG CAC CGA GAG GGG TCC AAA GGG TCC AAC  C W H R G G S N G R S Y  AAAA TGG CAC CGA GGA GGG TCC AAA GGG CAG AAC  K W H R G G S N G R S Y  AAAA TGG CAC CGA GAG GAG CCC CGGCATGTGTGTTC  H *  CAC TGA  Q ID NO.3 ↑  GGGGCTGCCCGAGCCTCAGGGCAGGTCTCCCCGCCCGGCATGTGTGTTCTCCCCCCCC	GAGCGGAGGCCGAG ATG GCT TCG GCG GGA GGC GAA GAC TGC    TASEQID NO:3->  D R P H Q R P F L I G V S GAC GGC GAC GAC GAC GAC GAC GAC GAC GGC GAC GA	GAGCGGAGGCCGAG ATG GCT TCG GCG GGA GGC GAA GAC TGC GAG  **SEQID NO:3-**  D R P H Q R P F L I G V S G  GAC CGT CCG CAC CAG CGG CCC TTC CTG ATA GGG GTG AGC GGC  S T V C E K I M E L L G Q N  TCG ACC GTG TGT GAG AAG ATC ATG GAG TTG CTG GGA CAG AAC  R K V V I L S Q D R F Y K V  CGG AAG GTC ATC CTG AGC CAG GAC GAG GAC AGG TTC TAC AAG GTC  A K A L K G Q Y N F D H P D  GCC AAG GCC TTG AAA GGA CAG TAC AAT TTT GAC CAT CAC GAT  ATG CAC AGG ACT CTG AAG AAC ATC GTG GAG GAC AGG TCC TAC  **TTT GTG ACA CAC TCA AGG TTA CCA GAG ACC ACG GTG GAC  F V T H S R L P E T T V V V Y  TTT GTG ACA CAC TCA AGG TTA CAA GGC CAG GAC AGG GTC TAC  **F V T H S R L P E T T C V V Y  TTT GTG ACA CAC TCA AGG TTA CAA GGC CAG GAC ACG GAC  **F V D T D S D V R L S R R V  TTC GTG GAC ACC GAC GAC GAC GAC GAC CAG GAC  G R D L E Q I L T Q Y T T F GAG  GGG AGG GAC CTG GAG CAG ACA AAG AAC ACC CAG GAC  **M V A I N L I V Q H I Q D I  ATG GTT GCC ATC AAC CTG ACA AAG AAG AAC CAC CTG GTG GTC  **M V A I N L I V Q H I Q D I  ATG GTT GCC CAC CAC ACA AAG AAG AAC CAC CTG GTG CAC  **M V A I N L I V Q H I Q D I  ATG GTT GCC CAC CAC ACC ACA AAG AAG CAC CAC CAC	GAGCGGAGGCCGAG ATG GCT TCG GCG GGA GGC GAA GAC TGC GAG AGC  **SEQID NO:3->**  D R P H Q R P F L I G V S G GGAC GGC GGC CGC CGC CGC CGC CGC GGA GGC GGA GGC GGC	MASAGGGAGGCCGAG ATG GCT TCG GCG GGA GGC GAA GAC TGC GAG AGC CCC  ***ASEQ**ID**NO:3->***  DRPHQRPFLUON:3->**  DRPHQRPFLUON:3->**  DRPHQRPFLUON:3->**  DRAC CGT CGG CAC CAG CGG CCC TTC CTG ATA GGG GTG AGC GGC GGC ACT  GAC CGT CGG CAC CAG CGG CCC TTC CTG ATA GGG GTG AGC GGC GGC ACT  TCG ACC GTG TGT GAG AAG ATC ATG GAG TTG CTG GGA CAG AAC GAG GTG  RKVVVILLSQD DN RFFYKKVULL  CGG AAG GTG GTC ATC CTG AGC CAG GAC AGG TTC TAC AAG GTC CTG ACG  AKALKGG CTTG AAA GGA CAG TAC AAT TTT GAC CAT CCA GAT GCC TTT  AKALKGG CC TTG AAA GAA CAG TAC AAT TTT GAC CAT CCA GAT GCC TTT  MHRT LKNNLVE GAG GGA GAC AGG GTG GAG GTG  FVTT HSRR LPET CAG CAG GAC AGG ACC ACG GTG GAG GTG  FVTT HSRR LVFY SQLELT RD MFF  TTTT GTG ACA CAC TCA AGG TTC TAC AGC GAG GTG GAC GTG  FVTT GAG GGC ATC TTG GTG TTC TAC AGC GAG ACC ACG GTG GAC ATC  FEGA CAC CAC CAC AGG TTC TAC AGC CAG GAG ACC ACG GTG GAC ATC  FVTT GAG GGC ATC TTG GTG TTC TAC AGC CAG GAG ACC ACG GTG GAC ATC  FVTT GAG GGC ATC TTG GTG TTC TAC AGC CAG GAG ATC CGG GAC ATG  FVDT TD SDVR RLS RVVY PA  FTTC GTG GAC ACC GAC TCC GAC GTC AGG GTG TCT CGA AGA GTT CCC  GRAD LEQUIL TO SDVR RLS RRV LC  GGG AGG GAC CTG GAG CAG ATC CGA GAG ATC CGA AGA GTT CCC  GRAD TTC TGC CTG CAG ATC CGAC GTC AGG AGC ACC ACC TTC GTG AAG  MVALUE ALL VYALUE AGG CAG TAC ACC ACC TTC GTG AAA  ACG GTG GAC ACC GAC TCC GAC ATC CGA GAG ACC ACC ACC TCC GCA  MVALUE ALL VYALUE AGG CAG ATC CAG GAC ATT CTG AAA  KWHR GG GC ATC TAG GTG TC TAC CGC GAG AAA ACG GTG GAC ATT CTG AAA  KWHR GG GS ATC CTG CGG ACA AAG AAG AAG GAC ACC ACC ATC CAG GAC ATT CTG AAA  CAC CTG GGG ATC CTG GAG GTC AAG GAG ATC CAG GAC ATT CTG AAA  KWHR GG GG ACC CTG GAG ATG CTG CAG AAA ACG GAC ATT CTG AAA  CAC CTG GGG ATG CTG ACC TCT GGC AAAA CGG TCA CATC CAG GAC ATT CTG AAA  CAC CTG GGG ATG CTG ACC TCT GGC AAAA CGG TCA CATC CAG GAC ATT CTG AAA  CAC CTG GGG ATG CTG ACC TCT GGC AAAA CGG TCA CATT CTG AAG  CAC CTC GGG ATG CTG ACC TCT GGC AAAA CGG TCA CATT CTG AAG  CAC CTG CGA GAG GGG TCC AATC GAG GAC ATT CTG AAG  CAC CTG GGG ATG CTG ACC TCT GGC AAAA CGG TCA CATT TTG GAG TCC  CAC CTG CAC A	GAGGGGAGGCCGAG ATG GCT TGG GGG GGA GGC GAA GAC TGC GAG AGC CCC GCG (ASGCGGAGGCCGAG ATG GCT TGG GGG GGA GGC GAA GAC TGC GAG AGC CCC GCG (ASGC CCC CGG CASGCC CCG CGC (ASGC CCC CGC CASGCC CCG CCC CGC CASG CGC CCC CTC CTG ATA GGG GTG AGC GGC GGC ACT GCC CGC CAC CAG GGG CCC TTC CTG ATA GGG GTG AGC GGC GGC ACT GCC CGC CTG CTG ATA GGG GTG AGC GGC GGC ACT GCC CGC CTG CTG AGA AGC AGC GTG GAA ACC GTG GAA AGC CTG TG TGT GAG AAA ATC ATG GAA TTG CTG GAA AAA GGA GAG GTG GAA AAC GAG GTG GAA AGC GTG GAA AGC GTG GAA AGC GTG GTC ATC CTG AGC CAG GAC AAG GTT CTA AAA GGT CTG AAA GGA CAC GTG AAA AGG GTC CTG AAA GGA CAC AAG GCC TTT GAT AAA GGC CAT CAAA AAG GTC CTG AAA AGC GTG GCA AAG GCC TTG AAA AGA AAC ATC GTG GAG GAC AAG GCC TTT GAT AAA GGA CAC AGG AAC AAC AAT TTT GAC CAT CCA GAT GCC TTT GAT ATC CAC AGG ACC AGG ACC AGG GGC AAA ACG GTG GAG GCC AAG GCC TTG AAA AGC AAC ATC GTG GAG GGC AAA ACG GTG GAG GCC AGG ACC ACG GAG ACC ACG GAC ACG ACC ACG GAC ACC AC	M A S A G G E D C E S P A P G GAGGGGAGGCCGAG AFG GCT TCG GCG GGA GGC GAA GAC TGC GAG AGC CCC GCG CCG CCG ASGC CCG ASGC CCG CAG GAG GCC CAG GAG AGC CCC GCG CCG C	M A S A G G G E D C E S P A P E EACCGGAGGCCGAG ATG CCT TCG GCG GGA GGC GAA GAC TGC GAG AGC CCC GCG GAG GAC CCC GCG GAG AGC CCC GCG CCG GAG AGC CCC CAC GAG CAC CAC	M	GAGCGGAGGCCGAG ATG CTT TCG GCG GGA GGC GAA GAC TCC GAG AGC CCC GCG GAG GCC

 ${\tt CACTCAGACTCAACTTGCTGJGACACTGACAGGCGTTCCTGAGGTTTTCAGCCACTTAGGCTCGTTGCGGTTTAAAGAT}$ 

 $\tt CCCTCTAGGTCACTGAGAAATGCCACAGAATGTGCAGGAAGCCTGGGAGGCTTCTGTGAGGAATGTGAGGCACATTATT$ 



и С С FIGURE 2

	*->vIGvaGsSGaGKTtvarrivsifgregvpaagiEGnpDsNtgdsflr +IGv G+ ++GK+tv ++i +++g+ v +++l+ LIGVSGGTASGKSTVCEKIMELLGQNEVEQRQRKVVILS	SEQ ID NO:4
64	ldrfymdlhledrkragnkhysffsPeAndFDLLyevfkeLkeGksvdkP drfy++l++e+++ a + +y+f+ P A+d DL+ +++k+ eGk+v++P QDRFYKVLTAEQKAKALKGQYNFDHPDAFDNDLMHRTLKNIVEGKTVEVP	113
114	iYnHvtgerdpdgqePGtFTdwpeliegadvLviEGLHalyDerevNvaq +Y++vt++r p ++ ++++adv+ +EG++ +y +++ TYDFVTHSRLPETTVVYPADVVLFEGILVFYSQEIRD	150
151	LlDlkiyvDpdidlelarKiqRDmaeRGhslEgvldsiekrrKPdyvnYI l ++vD+d+d++l+r+ RD+ RG++lE +l ++ +++KP+++ + MFHLRLFVDTDSDVRLSRRVLRDV-RRGRDLEQILTQYTTFVKPAFEEFC	199
200	aPQfsyaDliiqrvptvdtsndFiakiipvrdel<-* P+++yaD+ii+r+ ++ ++++ +++++ d+l LPTKKYADVIIPRGVDNMVAINLIVQHIQDIL 231	

154 LRLFVDTXXXXXXXXXXXXXXXXXXXXX = EQILTQYTTFVKPAFEEFCLPTKKYADVIIPR 212 Query: E ++ QY FVKP +E+F PTKKYAD+IIPR 1 LKIFVDTDADVRLIRRIKRDVNERGRDIESVIEQYMKFVKPMYEQFIEPTKKYADIIIPR 60 SEQ ID NO:5 Sbjct: 213 GVDNMVAINLIVQHIQDILNGDICKWHRGGSNGRSYKRTFSEPGDHPGMLTSGKRSHLES 272 Query: G DN VAI+LIVQHIQ ILN + H RSYKRTFSEPGDHPG 61 GGDNHVAIDLIVQHIQSILNEGLSSQHTNYMVNRSYKRTFSEPGDHPGYTPSGKRQHLES 120 Sbjct: 273 SSRPH 277 Query: SSRPH 121 SSRPH 125 Sbjct:

## FIGURE 4

Query:	25 LIGYSGGTASGKSTVCEKIMELLGQNEVEQRQRKVVILSQDRFYKVLTAEQKAKALKGQY 84 +1G++GG+ SGK+T+ KI+E+L + Q KVVI+SQD +YK L+ + + Y	
Sbjct:	4 IIGIAGGSGSGKTTIARKIVEMLNKPGQEKVVIISQDNYYKDLSELDMEERKENNY 59 SEQ ID NO:6	
Query:	85 NFDHPDAFDNDLMHRTLKNIVEGKTVEVPTYDFVTHSRLPETTV-VYPADVVLFEGILVF 143 NFDHPDAFD DL++ LK++ GK+VEVP YDF TH R + TV + PADV++ EGI	
Sbjct:	60 NFDHPDAFDFDLLYEHLKBLKNGKSVEVPIYDFKTHHRRKDETVTIEPADVIILEGIYAL 119	
Query:	144 YSQEIRDM 151 Y + IRD+	
Shict	120 YDERIRDL 127	

## FIGURE 5